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Substitute for form 1449B/PTO Complete if Known Application Number 10/701,013 INFORMATION DISCLOSURE 11/04/2003 Filing Date STATEMENT BY APPLICANT First Named Inventor Rory A.J. Curtis Art Unit 1647 (Use as many sheets as necessary) Examiner Name Allen, Marianne P Sheet 004974.01183 Attorney Docket Number

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	y	OTHER PRIOR ART NON PAT	ENT LITERATURI	E DOCUMENTS	
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/MA/	C1	Database EMBL Accession No. AA5539 mRNA Sequence.* Strausberg, Robert (19	91, "Homo Sepien		
	CS	Database EMBL Accession No. Ai740592, Sequence." Strausberg, Robert (1998-06-	"Homo Sapiens d 28).	DNA Clone IMAGE: 2365922 3', mRNA	
,	C3	Database EMBL Accession No. AQ3109 Survey Sequence." Adams, M. D. et al. (19	87, "Homo Sapien 998-12-23).	s Genomic Clone 2384B13, Genomic	<u> </u>
	C4	Janeway, C. A. Jr., and Travers, P., Immo Current Biology Ltd/Garland Publishing Inc	inoBiology: The li London, UK and	nmune System in Health and Disease, New York, NY, USA; 1994, p. G.1.	
	C5	Arrighi, I, et al., *Structure, Chromosome K+ Channel Gene,* FEBS Lett. 425(2):310	Localization, and 1 316 (1998)	Tissue Distribution of the Mouse TWIK	
······································	C6	Bonaldo, M.F., et al., "Normalization a Discovery," Genome Res. 6(9):791-806 (19	nd Subtraction: 195)	Two Approaches to Facilitate Gene	
***************************************	C7	Cross, S. H. et al., "Purification of CpG Genet. 6(3):236-244 (1994)	islands Using a M	fethylated DNA Binding Column," Nat.	-
	C8	Diffeto, A. et al., "Isolation and Initial Cha Murine Cyclic Guanosine Monophos Ophthalmol. Vis. Sci. 37(4):551-560 (1996)	phate-Phosphodies	5' Flanking Region of the Human and sterase p-Subunit Genes," Invest.	
\forall	C9	Doyle, D. A., et al., "The Structure of the and Selectivity," Science 280:69-77 (1998)		el: Melecular Basis of K+ Conduction	***************************************
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		Include the name of the author (in CAPTIAL LETTERS), title of the article (when appropriate), title of the item
xannner Hilals*	No.	(book, magazine, journat, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and or country where published.
/MA/	C11	Fink, M. et al., "Cloning, Functional Expression and Brain Localization of a Novel Unconventional Outward Rectifier K+ Channel," EMBO J. 15(24):6854-6862 (1998)
	C12	Fink, M. et al., "A Neuronat Two P Domain K+ Channel Stimulated by Arachidonic Acid and Polyunsaturated Fatty Acids," EMBO J. 17(12):3297-3308 (1998)
	C13	Goldstein, S. A. et al., "ORK1, a Potassium-Selective Leak Channel with Two Pore Domains Cloned from Drosphila Malanogaster by Expression in Saccharomyces Cerevisiae," PHAS USA 93(23):13258-13261 (1998)
	C14	Goldstein, S. A. at al., "Sequence and Function of the Two P Domain Potessium Channels: Implications of an Emerging Superfamily," J. Mol. Med. 76:13-20 (1998)
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	C19	Lessge, F. et al., "The Structure, Function and Distribution of the Mouse TW/K-1 K+ Channel," FEBS Lett. 402(1):28-32 (1997)

Examiner Signature	/Marianne Allen/	Date Considered	06/26/2007	
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	C21	Miosg Cerev	a, T. ísiae	et al., "Sequence Chromosome X," Y	and Function analysis of a 9. Yeast 10(7):565-973 (1994)	46 kb Fragment of Saccharomyces
	C22	Vanan	a of a	et al., "Identificati he 31gH/hs1,2 Enh .27(11):2981-2985	ancer Downstream of the Human	a 3'/hs3 enhancer and of an Allelic Immunoglobulin Alpha 1 Gene," Eur.
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	C24	Royes from I	i, R. i tuma	et al., "Cloning and n Kidney," J. Biot. C	d Expression of a Novel pH-Sens Chem. 273(47):30863-30869 (199	silive Two Pors Domain K+ Charnel 8)
	C25	Wilson Nature	n, R. 368	et al., *2.2 Mb of C (6486):32-38 (1994	ontiguous Nucleotide Sequence	from Chromosome III of C. Elegans,*
	C26	Yama Recep	guchi itor G	, M. et al., "The ene." J. Biol. Chem	Primary Structure of the Rat C 1. 265(33):20414-20420 (1990)	Suanylyl A/Abiel Nathuretic Peptide
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	C28	Gen8:	ank A n F22	ccession No. AAA B7.7; November 14	81455 for Similar to Polassium (4, 1905	Channel Proteins and to C. Elegans

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				Art Unit	1647		
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Sheet	4	of	15	Attorney Docket Number	004974.01183		

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/MA/	CSB	GenBank Accession No. AAA83199 for Weak Similarity to a Short Region of Putative Potassium Channel Proteins; December 12, 1985	
	C30	GenBank Accession No. AAA36127 for Coded for by C. Elegans cDNA yk9g1.3; coded for by C. Elegans cDNA yk8g1.5; coded for by C. Elegans cDNA CEESUSSE; April 18, 1996	-
	C31	GenBank Accession No. AAB01688 for TWIK-1, June 7, 1996	
	C32	GenBank Accession No. AAB04567 for Weak Similarity to a Potassium Charmel Protein, July 22, 1996	
	C33	GenBank Accession No. AAB52940 for Weak Similarity to S. Cerevisiae Outward-Rectifier Potassium Channel TOK1, April 21, 1987	
	C34	GenBank Accession No. AAB54033 unidentified protein, May 12, 1997	•
	C35	GenBank Accession No. AAB61602 for rabKCNK1, June 18, 1997	
	C3 6	GenBank Accession No. AAC16973 for TWIK-1 K+ Channel, September 29, 1998	
	C37	GenBank Accession No. AAC32854 for Pulative Potassium Channel Subunit n2P17m1-2, December 21, 1998	
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				Art Unit	1647		
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Sheet	5	of	15	Attorney Docket Number	004974.01183		

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/MA/	.C38	GenBank Accession No. AAC32855 for Putative Potassium Channel Subunit n2P17m1-1, December 21, 1998	
	C39	GenBank Accession No. AAC32856 for Putative Potassium Chennel Subunit n2P16, December 21, 1998	
	C40	GenBank Accession No. AAC32857 for Putative Potassium Channel Subunit n2P20, December 21, 1998	
	C41	GenBank Accession No. AAC32858 for Pulative Polassium Channel Subunit n2P17m2-2, December 21, 1998	
	C42	GenBank Accession No. AAC32859 for Pulative Polassium Channel Suburit n2P17m2-3	
	C43	GenBank Accession No. AAC32860 for Putative Potassium Channel Subunit n2P17m3, December 21, 1988	
	C46	GenBank Accession No. AAC32861 for Putative Potassium Channel Subunit n2P18, December 21, 1998	
	C45	GenBank Accession No. AAC32862 for Putative Potassium Channel Subunit n2P17m2-1, December 21, 1986	***************************************
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	C48	GenB	ank A	ocession No. AAC399	62 for TW	IK-related acid-ser	nsitive K+ channel, February 2, 1989
	C49	GenB	ank A	ccession No. AAC401	81 for TRA	VAK K+ channel su	ubunit, February 2, 1999
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	C51			Accession No. AAC480 e 2, 1999	050 for Sin	nitar S. Cerevisiae	Outward-Rectified Potassium channel
·	C52	Genti	ank A	Accession No. AAC517	77 for TW	iK-related acid-se	nshive K+ channel, February 4, 1999
	C53	GenB	ank A	Accession No. AAC530	105 for TRI	EK-1 K+ channel S	Subunit, February 4, 1999
	C54	Gent	lank A	Accession No. AAC533	167 for TVV	K-related acid-se	nsitive K+ charmet, February 4, 1988
	C55	Gent	lank /	Accession No. AAC692	250 for Two	o P domain Potass	ium channel ORK1, October 29, 1998
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	C65	GenBank Accession No. AC00503	35 for Homo Sapiens BA	C clone NH0353P23 from 2, complete	
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	C67	GenBank Accession No. AC005290	Unidentified protein, Dec	ember 10, 1998	
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	LIZ	(TASK) mRNA, October 7, 1997	24 for Mus Muscums IV	VIK-related acid-sensitive K+ channel	
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	C73	GenBank Accession No. AF02282	21 for Mus Musculus put	alive potassium channel DP4 mRNA	
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/MA/	C74	GenBank Accession No. AF0330	17 for Mus Musculus TWIK-1	K+ channel mRNA, May 23, 1998
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	C76	GenBank Accession No. AF084 mRNA, November 25, 1998	830 for Homo Sapiens two	pore domain K+ channal (TASK02)
	C77	GenBank Accession No. AJ00 September 16, 1997.	01356 for Orchis morio (C	Prchidaceae) microsatellite,
	C78	GenBank Accession No. AQ240 clone 2385813, September 29, 1	175 for CIT-HSP-2385B13.TI 998	R.1 CIT-HSP Homo Sapiens genomic
	C79	GenBank Accession No. AQ319 RPCI-11-11TL8, May 5, 1999	946 for RPCI11-111L8.TJ R	PCI-11 Homo Sapiens genomic clone.
	C80	GenBank Accession No. B8280 RPCI-11-17N16, April 8, 1999	4 for RPCI11 17N16.TP RP	Cl-11 Homo Sapiens genomic clone
	Cei	GenBank Accession No. BAA254	36 for cTBAK, February 13, 1	999
\bigvee	C82	GenBank Accession No. CAA194	194 for Similar to potassium cl	hannel protein, Desember 18, 1998
aminer	I	/Marianne Allen/	Date Considered	06/26/2007

Examiner Signature /Marianne Allen/ Date Considered 06/26/2007

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include the same of the author (in CAPTIAL LETTERS), title of the dride (when appropriate), title of the item (brook, magazine, journal, serial, symposium, cataleg, dtc), date, page(s), volume issue number(s), publisher ofly and or country where published. [101] GenBank Accession No. CAB02119 for Similar to potassium channel protein like, November 23, 1998 [102] GenBank Accession No. CAB03071 Predicted using Genefinder, similarity to potassium channel proteins; November 23, 1998 [103] GenBank Accession No. CAB03109 Similar to potassium channel protein; November 23, 1998 [104] GenBank Accession No. CAB03109 Similar to potassium channel protein; November 23, 1998 [105] GenBank Accession No. CAB03109 Similar to potassium channel protein; November 23, 1998 [106] GenBank Accession No. CAB04251 for cDNA EST yk240f2.5 comes from this gene; cDNA EST yk354f3.5 comes from this gene; cDNA EST yk240f2.3 comes from this gene; cDNA EST yk240f2.5 comes from this ge	I		1 1 100 107 1100
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					Art Un	nit	1647	
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STATEMENT BY APPLICANT	First Named Inventor	Rory A.J. Curtis			
	Art Unit	1647			
(Use as many sheets as necessary)	Examiner Name	Allen, Marianne P			
Sheet 14 of 15	Attorney Docket Number	004974.01183			

Examiner nitials'	Cite No.1	Include the name of the author (in CAPTIAL LETTERS), little of the stricte (when appropriate), title of the item (book, magazine, journal, senal, symposium, catalog, etc.), dase, page(s), volume issue number(s), publisher, city and or country where published.	7
/MA/	C119	GenBank Accession No. U33632 for Human two P-domain K+ channel TWIK-1 mRNA, June 5, 1996	
	C120	GenBank Accession No. U55321 for Drosophila Melanogaster two P domain potassium channel ORK1 (ORK1) mRNA, October 29, 1998	
	C121	GenBank Accession No. U73488 for Mus Musculus TREK-1 K+ channel subunit mRNA, January 25, 1997	-
	C122	GenBank Accession No. U76986 for Humo Sapiens two P domain channel subunit (HOHO1) mRNA. January 29, 1998	
	C123	GenBank Accession No. U90065 for Human potassium channel KCNO1 mRNA, April 1, 1997	
	C124	GenBank Accession No. Y14406 for Homo Sapiens DNA for 3' lgH focus control region, HS3 enhancer, February 12, 1998	
	C125	GenBank Accession No. Z55211 for Homo Sapiens CpG island DNA genomic Mse1 fragment, clone 26g4, FORWARD READ CPGZ604.F118, October 17, 1995	
	C126	GenBank Accession No. Z75539 for Ceanorhabdilis Elegans cosmid F28C1, December 14, 1998	
ta este consecuent processors.	C127	GenBank Accession No. AC005661 for cifb_54_o_2, DNA; November 30, 1999	-

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				Filing Date	11/04/2003	
SIA	ICIVICINI	BYA	PPLICANT	First Named Inventor	Rory A.J. Curtis	
				Art Unit	1647	
	(Use as man	y sheets as	necessary)	Examiner Name	Allen, Marianne P	
Sheet	15	of	15	Attorney Docket Number	004974.01183	

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	C129	GenBank Accession No. 278198 for	Caenorhabditts elegans con	smid F55C5, DNA; January 26, 2000				
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/MA/	C131	GenBank Accession No. Z92813 fo 1999	r Caenorhabditis elegans r	cosmid T28A8, DNA: December 14,				
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